

Vizomo™

HD Video Processor



Triggering

Control PXL displays with third party triggers; DMX, Art-Net, Timecode, OSC.



Color processing

The Vizomo processor automatically calibrates Cobra screens with selectable white point targets. Superior color reproduction is achieved with an extended color gamut and 128-bit per pixel accuracy.



Rugged

A fully custom chassis includes a thick outer shell, milled 10mm solid front panel, isolated shock-mounted internals, and ruggedized connectors to withstand the most demanding environments.



Raster MAPPER

A simple LAN connection between a computer running Raster MAPPER 4.0 and a Vizomo processor gives full remote control of multiple processors. A streamlined workflow provides one interface for mapping, PXL addressing, and screen control.



Scaling

Size multiple simultaneous windows with pixel-for-pixel accuracy.



Multi-Tap™ Windowing

Multiple simultaneous cropping. An entire source, or a portion of a source, can be simultaneously directed to several windows via the Multi-Tap function.



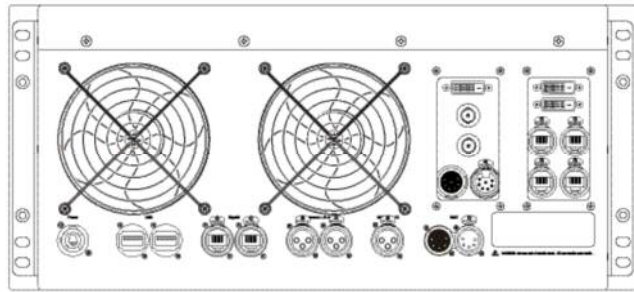
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Processor

Vizomo R1 Video Processor (P/N 530-0312)

- 1 DVI Input
- 1 DVI Monitoring Outputs
- 4 PXL Outputs



Vizomo Back Panel

Specifications

Dimensions	5U 19 in. rack (485 x 218 x 618 mm)
Weight	28 kg (62 lbs.)
Power	100-240 VAC, 50-60 Hz (750W)
Internal Storage	Solid State
Connectivity	USB 2.0 (x2)
	Gigabit Ethernet (x2)
	Audio Output
	SMPTE LTC Input
	DMX 512 with loop through
Genlock	Frame Lock In/Out

Output	PXL (x4)
DVI Input	720 x 480 @ 60 Hz (NTSC)
	720 x 576 @ 50/75 Hz (PAL)
	800 x 600 @ 50/60 Hz
	1024 x 768 @ 60/75 Hz
	1280 x 720 @ 50/60 Hz (720p)
	1920 x 1080 @ 24/25/30 Hz (1080p)
DVI Monitoring	1024 x 768 @ 60 Hz
	1280 x 720 @ 50/60 Hz (720p)
	1920 x 1080 @ 24/25/30/50/60 Hz (1080p)
	1920 x 1200 @ 60 Hz

Raster MAPPER 4.0 Integration

Layout maps and control Vizomo processors from the same interface.

The screenshot shows the RasterMAPPER 4.0 software interface. On the left is a 'Fixture List' table with columns for Port/Seq/Addr, Pixel, and Type. The main area is a dark grid representing a stage layout with several orange rectangular fixtures. On the right, there are several control panels:

- Processor:** A dropdown menu showing 'Vizomo BNTM-49074 (172.16.49.78)' selected, with other options like 'Vizomo BNTM-49071 (172.16.49.104)'.
- Image:** Sliders for Brightness (0.00), Gamma (2.20), Colour (D50, D65, 9300), and Temp. (6500 K).
- PXL Setup:** Buttons for 'Enumerate fixtures...', 'Retrieve calibration to processor', and 'Frame sync'.
- Processor Geometry:** Canvas size (W: 1, H: 1), DVI output resolution, and orientation.
- Maps:** An 'Upload map' button and dropdowns for PXL fixture, DVI fixture, and DVI displacement.

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